

MEDICAL CARE
in
OLD AGE ASSISTANCE

1948

A Study of the Costs of
Medical Care for Recipients
of Old Age Assistance in
Massachusetts

MASSACHUSETTS DEPARTMENT OF PUBLIC WELFARE
Bureau of Research and Statistics
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INTRODUCTION

Background. With the termination of the hostilities of World War II in August 1945 and the subsequent withdrawal of wartime price controls in the face of an accumulated demand for consumer goods, the cost of living in Massachusetts steadily increased. Compared to the period 1935-1939 the purchasing power of the dollar in August 1945 was 80¹/_{cents}. By December of 1948 it had declined to slightly over 62²/_{cents}. Because of this almost 30 percent increase in the cost of living, grants to recipients of Old Age Assistance for food, shelter, and clothing were of necessity steadily increased in order that the basic minimum standard of living might be maintained. Such increases for food, shelter, and clothing are initiated by the Department of Public Welfare or by legislative action and are promulgated as changes in the established state-wide standards of assistance. Thus the general increases in the cost of operating the program of Old Age Assistance can be predicted.

In medical care however, which is supplied on an "as needed" basis, the costs are largely determined by the fees charged recipients by practitioners, hospitals, and suppliers of drugs and other medical services. Detailed data as to the incidence and costs of the various medical services are not regularly reported to the Department by the cities and towns because of the administrative impracticability of such reporting. It is therefore necessary from time to time to conduct special studies to determine the cost of such services given to recipients of Old Age Assistance. In 1945 the Department conducted a special study of the component elements of medical care in nineteen selected sample communities, but the cost of medical care had risen appreciably since this study was conducted so that a new study, covering the entire State, was needed in order to determine the extent of the increases in the cost of medical care.

Historical Setting. The provision of medical care to recipients of public assistance has been included as a form of relief in Massachusetts since Colonial times. Although this State has never had a special program of relief to the medically indigent, yet the assistance grants under the general relief law consisted largely of medical care to the sick poor.

The medical care given was most frequently administered by a city or town physician with whom the Board of Public Welfare had made a contract to care for all

1/ The Commonwealth of Massachusetts, Department of Labor and Industries, Office of the Division on the Necessaries of Life, Retail Price Index of Specific Goods and Services in Large Massachusetts Cities. August 31, 1945.

2/ Ibid., December 31, 1948.

the sick poor in the jurisdiction. Persons without a settlement were provided for by the Commonwealth. This latter arrangement was in effect since the time of the French and Indian War. The recipients of this relief had no choice as to which physician they could call, and very often, before any medical care could be given to recipients, the physician was required to receive approval from the Board of Public Welfare. Under certain emergency conditions, however, a physician could give medical care to a poor person and receive payment from the city or town for his services without prior approval by the Board of Public Welfare. In many cases the medical care consisted of commitment to an almshouse or to a city or town infirmary. For unsettled persons, hospitalization was provided in the institutions one of which is now known as the State Infirmary.

With the advent of Social Security which provided for cash payments to recipients of public assistance, the right of the recipient to determine how his grant would be spent was made explicit. This principle naturally led to the practice of allowing the recipient a free choice of physician whenever he was in need of medical care. The provision permitting the recipient to choose his own physician was introduced into the Massachusetts Old Age Assistance law effective September 18, 1945^{1/}.

The control of the cost of medical care has always been considered an important problem by those charged with the administration of public assistance. A town meeting of Braintree in 1707 instructed the selectmen to make an agreement with a physician for the "care and cure" of a resident of the town^{2/}. A payment of ten pounds was to be made to the physician if after twelve months a "cure" was effected. However, "if no cure be performed" the physician was to be paid only twenty shillings.

Although in modern times payment to a physician for treatment of a patient is not contingent upon effecting a cure of the patient, nevertheless administrative regulations of the Department have been promulgated relative both to the adequate care of the recipient and to the control of the cost. Provision has also been made so that the free choice of a physician by the recipient is unrestricted. Not later than November 1, 1945 Boards of Public Welfare were required to submit to the Department plans for the rendering of medical care to recipients of Old Age Assistance to insure compliance with the requirement of the law providing a physician of choice. These plans included^{3/}

1/ Chapter 441 Acts and Resolves of Massachusetts, 1945.

2/ Marcus Wilson Jergenson, Laboring and Dependent Classes in Colonial America. 1607-1783, (Chicago, The University of Chicago Press, 1931), p. 207.

3/ Mass. Dept. Public Welfare, State Letter 7, Sept. 28, 1945.

- "1. A statement of the method by which recipients of Old Age Assistance are informed of their right to physician of choice.
2. Fee schedules that will be used for the payment of
 - a. Home calls
 - b. Office calls"

The State's Interest. As previously indicated, persons without a settlement have, since the time of the French and Indian War, been cared for by the Commonwealth. Hospitalization for these unsettled persons was, in earlier days, provided in the institutions one of which is now known as the State Infirmary. However, as years went on it became apparent that to move an acutely sick individual to a State infirmary was not conducive to his well-being. Hence authority was given to the cities and towns to provide hospitalization to such "State sick poor" in local hospitals and to recover the expense involved from the State.

In 1891 the idea of setting a maximum rate for hospitalization beyond which the State would not reimburse cities and towns was introduced into the law and the ceiling was placed at \$5.00 a week^{1/}. This \$5.00 a week limit of reimbursement by the State remained in effect until 1913 when it was changed to \$7.00 per week^{2/}. Four years later, in 1917, the weekly hospital rate for reimbursement was set at a maximum of \$10.50^{3/} and remained at that figure for nineteen years. In 1936 this maximum reimbursement rate was increased to \$21.00^{4/} per week.

Meanwhile great advances had been made by the medical profession in the treatment of disease. New methods of treatment were constantly being developed requiring greater hospital plants and expensive technical equipment. Larger hospital staffs were needed to operate these expanded facilities. As a result, the per diem cost of hospital care was experiencing a steady rise from year to year, yet the \$21.00 per week limit of reimbursement for hospitalization remained in effect from 1936 to 1943 when it was raised to \$4 per day of care^{5/}. From that time on, however, this limit of reimbursement for hospital care has steadily risen. In 1945 the rate was increased to \$5 per day^{6/}; in 1947, to \$6 per day^{7/}; in 1948, to \$8 per day^{8/}; and in 1949, after considering legislation by which the State would reimburse cities and

1/ Ch 153 Acts of Massachusetts, 1891.

2/ Ch 797 Sect.1 Acts and Resolves of Massachusetts, 1913.

3/ Ch 216 Acts and Resolves of Massachusetts, 1917.

4/ Ch 378 Acts and Resolves of Massachusetts, 1936.

5/ Ch 476 Acts and Resolves of Massachusetts, 1943.

6/ Ch 583 Acts and Resolves of Massachusetts, 1945.

7/ Ch 618 Acts and Resolves of Massachusetts, 1947.

8/ Ch 546 Acts and Resolves of Massachusetts, 1948.

towns the actual patient-day cost to the hospital, the Legislature decided to increase the maximum reimbursable rate to \$10 per day^{1/}. The law^{2/} which establishes the maximum rate for reimbursement for hospitalization expense incurred by cities and towns applies to the "State sick poor", but the provisions of this law have been extended by policy of the Department to the Old Age Assistance program since the State participates in all Old Age Assistance payments.

The sudden rise in the reimbursable hospital rates in the past three years has been influenced by demands of the non-profit hospital that the State and Local governments pay the full per diem cost for every recipient hospitalized. Before the Federal government agencies entered the field, paying for hospitalization directly to non-profit hospitals on a per diem cost basis, hospitals had been willing to accept the lower rates paid for public assistance recipients by State and Local governments, absorbing the deficit as "free care"^{3/}. However, when the Children's Bureau through its Emergency Maternity and Infant Care program, the Veterans' Administration, and the Office of Vocational Rehabilitation agreed to pay hospitals according to a determined per diem cost of service, the non-profit hospitals generally demanded that State and Local governments also pay for the hospitalization of recipients of public assistance at a rate equal to the actual patient-day cost.

There are two current schools of thought regarding the extent to which government agencies should pay non-profit hospitals for the care of persons eligible for, or receiving public assistance. One school believes that governmental agencies should pay a determined per diem cost of ward care for public assistance patients regardless of rates charged to other patients, while the other school believes that the non-profit hospital should reduce somewhat the rate charged to public assistance patients due to the fact that the hospital is tax-exempt and that it usually receives community support through the Community Fund and individual contributions.

The Cost of Medical Care, in General. The cost of medical care is an ever increasing problem to the majority of families in America. Vastly expanded medical facilities which result from a constantly growing awareness of the nature of many diseases and methods of treating disease have steadily increased the cost of medical care. The expenditures for this item loom large in the budgets of families

1/ Ch 766 Acts and Resolves of Massachusetts, 1949 (Effective Nov. 25, 1949).

2/ Sect. 18, Ch 120 General Laws of Massachusetts (Tercentenary Edition), 1932.

3/ Nathan Sinai and Odin W. Anderson, EMIC, Emergency Maternity and Infant Care, (Ann Arbor School, of Public Health, University of Michigan 1948), p. 147.

in the lower income groups. While higher income families tend to spend more of their annual income on the procurement of medical services, the proportion of the annual income spent for medical care varies inversely with the size of the income. Thus, although families in cities of a population over 100 000 with annual income under \$1 200 expend only \$68.32 per year on medical care, while families in cities of the same size with annual income over \$10 000 spend \$546.80 per year for the same type of care, the former expenditure represents 8.2 percent of income for the lower salaried group in contrast to 4.1 percent of income for those of higher salaries.

Table 1. Old Age Assistance: Average expenditure per family for medical care and average ratio of expenditure to family income according to type of community and family income during twelve month period 1/

Income	Towns and rural areas		Cities of 5 000-100 000		Cities over 100 000	
	Expenditure	Ratio of expenditure to income	Expenditure	Ratio of expenditure to income	Expenditure	Ratio expenditure to income
Under \$1 200	\$ 39.08	4.8	\$ 40.04	4.7	\$ 68.32	8.2
\$1 200-2 000	58.01	3.9	64.34	4.1	69.24	4.3
2 000-3 000	84.66	3.7	84.66	3.7	102.50	4.5
3 000-5 000	120.27	3.4	128.81	3.6	145.64	4.1
5 000-10 000	220.08	3.7	276.74	4.5	244.04	4.1
10 000 & over	420.14	3.4	469.90	3.2	546.80	4.1

It might be expected, therefore, that recipients of Old Age Assistance would spend between five percent and eight percent or even more of their grants for medical care since they are of the lowest income group in the community and since as a group they feel the greatest hazard of sickness.

SCOPE AND LIMITATIONS OF DATA

Scope. This study was inaugurated in order to determine in a recent period the over-all cost of medical care to recipients of Old Age Assistance throughout the State and within cities and towns of the State since such information is not available through the normal fiscal and statistical reporting systems.

It further proposed to examine the total expenditures for medical care to determine the extent and proportion of costs of the several components of medical care, namely, hospitalization, physicians' services, outpatient services, drugs, eye glasses, dental care, surgery, visiting nurse, and other non-specified services.

1/ Louis B. Reed, The Ability to Pay for Medical Care (Chicago; University of Chicago Press, 1933) p. 64.

Limitations of Data. This study recorded expenditures for medical care paid to every recipient of Old Age Assistance in every city and town of the Commonwealth during the six months' period, July 1, 1948 through December 31, 1948. The data were collected by the Field Audit Staff of the Department through a visit to every city and town. Expenditures for medical care paid as an "extra" payment beyond the regular monthly grant were scheduled. No expenditures made for nursing home or boarding home care were scheduled as medical expenses unless specific payments were made for identifiable medical services. In scheduling only "extra" payments for medical care some small part of the cost has been omitted from this study since occasionally the regular monthly grant to the recipient includes an item for medical assistance. These items included in the regular grant usually consist of medicine which is regularly consumed at a uniform rate over an extended period of time, such as insulin for diabetes. Such medical costs included in the regular grant apply to so few cases that their exclusion from this study has no significant influence on the results of the study. Not included also in the total cost of medical care as determined by this study is the allowance made in the regular monthly assistance grant for medicine chest supplies. This allowance is now included in the budget item of "personal needs" and amounts to approximately \$1.00 per recipient for six months. Medicine chest supplies are intended to include simple first aid supplies common to any home and such universally used remedies as aspirin. Hence the total cost of medical care for a six months' period, as determined by this study, would be increased by \$85,000 were this budget item of medicine chest supplies to be included.

Since information for this study was collected for the period from July through December it covers much of the summer season and only part of the winter season. The months of February and March usually have the highest incidence of sickness, May and June, the lowest. Consequently, had the study included the six months, October through March, all months with the heaviest incidence of sickness, the resultant tendency would have been to overstate the medical costs. On the other hand, if the six months, April through September, had been chosen for the study, since incidence of illness is lower in those months, the total cost of medical care would tend to be understated. Thus it is believed that the period, July through December, is reasonably representative of a complete year.

The data as collected did not include the number of recipients receiving the various medical services, but only the total number of units of service for which payment was made. Comparisons of data, therefore, within this study and between this and previous studies were necessarily drawn on the basis of the cost per person receiving assistance or on an average number of units of service received by all persons aided during the period. As a result of such comparisons it is uncertain

whether the indicated increases in costs and units of service result from a greater number of persons serviced or a greater degree of service given.

THE COST OF MEDICAL CARE FOR OLD AGE ASSISTANCE RECIPIENTS IN MASSACHUSETTS

The Assistance Dollar. Seven cents out of every Old Age Assistance dollar in Massachusetts went for medical care during the six months, July through December 1948. The total Old Age Assistance expenditure throughout the State for this period was \$31 689 637.99 and out of this amount \$2 277 433.64 represented the cost of medical care. A total of 96 527 different aged persons were aided during this time so that each received on the average \$328.30 in assistance. Of this \$328.30 assistance grant the recipient spent an average of \$23.59 for medical care or, to be exact, 7.19 percent of his entire payment.

Fig. 1. The Part of the Old Age Assistance Dollar Expended for Medical Care, July-December 1948.

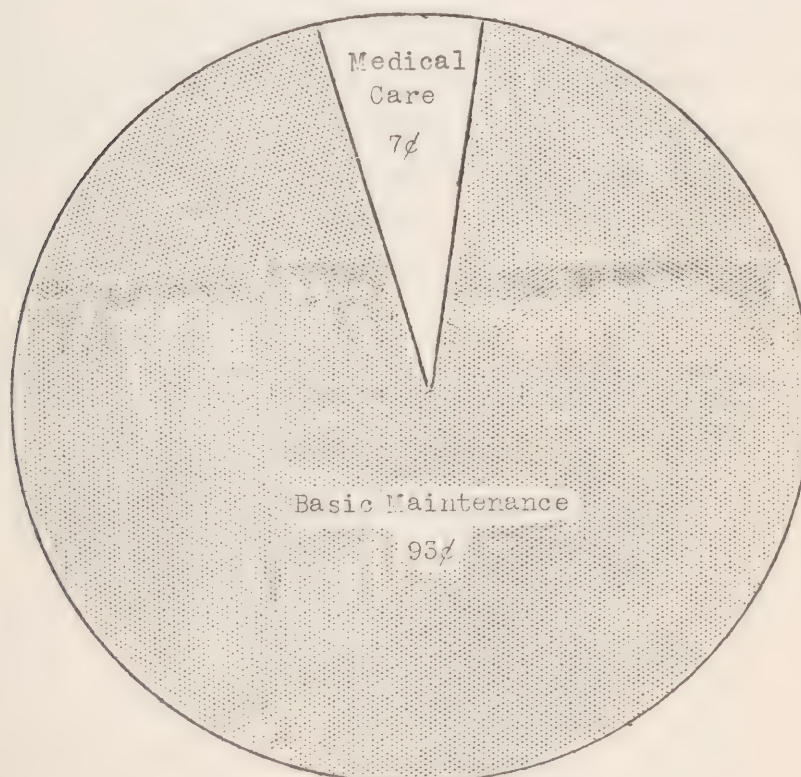


Table 2. Old Age Assistance: Cost per case of medical care by services for the six months, July through December 1948*

Medical service	Cost of medical care per case receiving assistance**
Total	\$23.59
Hospitalization	8.61
Physicians' fees	7.48
Drugs	4.74
Eye Glasses	.58
Dentures	.55
X-Ray	.18
V.N.A. Visits	.39
Out-patient Visits	.08
Eye Examinations	.18
Surgery	.16
Dental Care	.10
Other	.54

* The average assistance grant per case for the same period was \$328.30.

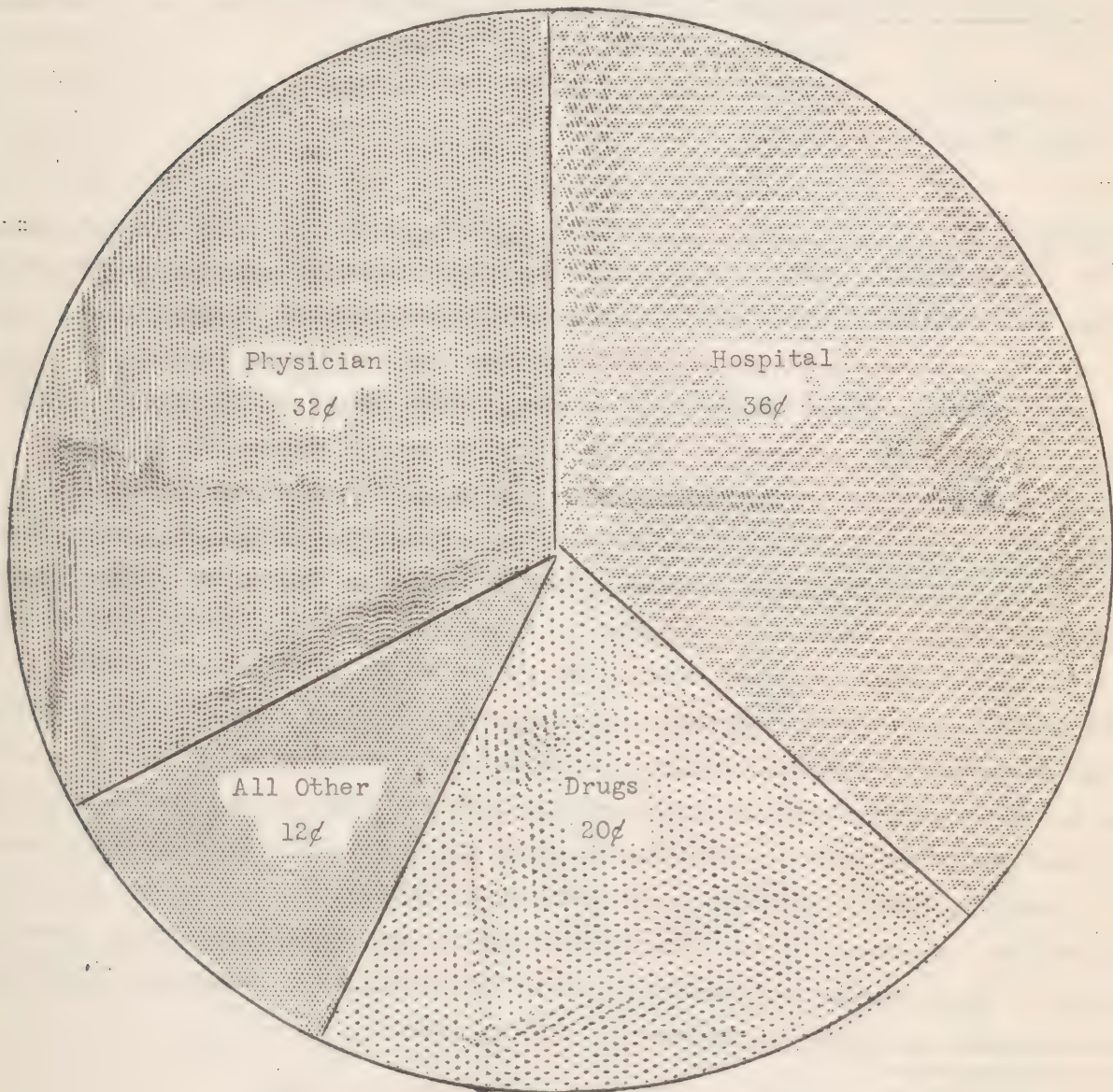
** Based on the number of different recipients in the six month-period.

The Medical Care Dollar. Expenditures for hospitalization, physicians' fees, and drugs consume the major portion of each dollar spent for medical care, or 83.29 percent. The largest single item of expense is hospitalization which amounts to 36.50 percent of all medical care costs. Next in order of size is the expenditure for physicians' fees amounting to 31.69 percent of the total. The amount spent for drugs and medicines consumes 20.1 percent of the medical care dollar. The aggregate of all other expenditures for medical care, including those for eye examinations and eye glasses, dental care and dentures, X-rays, surgery, visits to out-patient clinics, services of visiting nurses, and other expenses amounts to slightly more than half the expenditures for drugs, or 11.71 percent. The following table illustrates expenditure for each item of medical care during the period of the study.

Table 3. Old Age Assistance: Distribution of items of medical care by cost in dollars and ratio of items of care to total expenditures for medical care, July-December 1948

Items of expense	Expenditures	Ratio of expenditure to total cost
Total	\$2 277 433.64	100.0
Hospitalization	831 367.87	36.50
Physicians	721 679.10	31.69
Drugs	457 741.77	20.10
Out-patient Visits	7 700.47	.34
V.N.A. Visits	37 490.54	1.65
Eye Examination	17 636.35	.77
Surgery	15 074.60	.66
Dental Care	9 559.64	.42
Eye Glasses	56 271.87	2.47
Dentures	53 392.55	2.35
X-ray	17 740.91	.78
Other	51 777.97	2.27

Fig. 2. Old Age Assistance: The medical care dollar, July-December 1948



.. How much has the Cost of Medical Care Increased? A study of medical care costs conducted by the Department in nineteen cities and towns for the period April through September 1946 resulted in some costs per case of specific medical services which are comparable to those included in this study.

Type of Service	Cost per specified medical service per OAA case receiving assistance April-September 1946	Cost per specified medical service per OAA case receiving assistance July-December 1948	Percentage increase 1948 over 1946
Total	\$20.34	\$23.59	/ 16
Hospitalization	5.52	8.61	/ 56
Physicians' fees	5.80	7.48	/ 29
Drugs	4.32	4.74	/ 10
Eye Glasses	.54	.58	/ 7

The foregoing increases in the cost of medical care in a period of two years, although substantial in size, must be viewed in the light of the general economic trend of this two-year period. In examining the cost of living indices for the third month of each of the above study periods, June 1946^{1/} and September 1948^{2/}, we find that the combined cost of living index increased 26 percent while the sundries and food items of the Index increased respectively nine percent and 47 percent. Thus the ten percent rise in the cost of drugs was not much greater and the increase on the eye glass item was even less than the increase in the sundries item of the Index. The cost of physicians' services rose only slightly more than did the combined Index and the increase in the total cost of medical care was significantly less than the increase in the general cost of living. The greatest increase occurred in hospitalization. This, however, was due primarily to the change by the Department in the reimbursable rate for hospitalization of recipients. During the two years between these two studies this rate had risen slightly more than 62 percent, from \$5 per day to \$8 per day of care, even though the cost of living was not the chief factor considered when the rate was determined. The increase in the payments for hospitalization is not directly comparable therefore to the increases as shown by the cost of living index.

^{1/} Division on the Necessaries of Life, op.cit. June 30, 1946.

^{2/} Division on the Necessaries of Life, op.cit. September 30, 1948.

THE COSTS OF SPECIFIC MEDICAL SERVICES

Hospital Care. During the six months' period of this study Old Age Assistance recipients were given 114 765 patient days of hospital care at a cost of \$831 368. Thus the average per diem cost of hospitalization was \$7.24. The maximum reimbursement by the State Department was at a rate of \$8.00 per day including all "extra" costs such as laboratory fees, medicine, and other clinical services in addition to the basic board and care. Hospitals, on the whole, do not bill the patient on a per diem cost basis but rather charge a basic board and care rate augmented by charges for additional specific services.

Since the cities and towns were reimbursed up to \$8.00 per day for hospitalization of recipients, many refused to pay a hospital more than that rate regardless of the amount billed by the hospital. Moreover, many hospitals, aware of the fact that the cities and towns pay a maximum of only \$8.00 per day for care of recipients of Old Age Assistance, bill the recipient at \$8.00 per day regardless of higher rates of payment established for the general public. It was found that 90.9 percent or 104 312 of the patient days of hospitalization were paid at a rate of \$8.00 or less while 9.1 percent or 10 453 out of a total of 114 765 patient days were paid at a rate of over \$8.00 per day.

The per diem cost of hospitalization exceeded \$8.00 in only 54 out of the 351 cities and towns.

Table 4. Old Age Assistance: Distribution of hospital costs by cost per day of care, July-December 1948

Cost per patient day	Number of days	Percentage of total
Total	114 765	100.0
\$ 2.01- 3.00	92	.1
3.01- 4.00	221	.2
4.01- 5.00	211	.2
5.01- 6.00	17 774	15.5
6.01- 7.00	13 278	11.6
7.01- 8.00	72 736	63.4
8.01- 9.00	4 943	4.3
9.01-10.00	1 119	1.0
10.01-11.00	1 086	.9
11.01-12.00	2 890	2.5
12.01-13.00	57	<u>1/</u>
13.01-14.00	--	--
14.01-15.00	--	--
15.01-16.00	26	<u>1/</u>
16.01-17.00	--	--
17.01-18.00	--	--
18.01-19.00	5	<u>1/</u>
19.01-20.00	7	<u>1/</u>
20.01-21.00	--	--
21.01-22.00	--	--
22.01-23.00	--	--
23.01-24.00	320 ^{2/}	.3

^{1/} Less than .1 of one percent.

^{2/} All 320 patient days in the city of Waltham.

Physicians' Services. At a cost of \$721 679, recipients of Old Age Assistance received 231 466 visits from physicians during the period studied. Hence the average of physicians' fees as paid was \$3.12 per visit. However, the vast majority of payments for physicians' fees, 94.8 percent, concentrated between \$2.51 to \$4.00 per visit and of this number 125 430 or 54.2 percent ranged from \$2.51 to \$3.00. Seven thousand and two visits or three percent of the total were paid at the rate of \$2.50 or less and 99 034 payments or 42.8 percent were in excess of \$3.00 per visit.

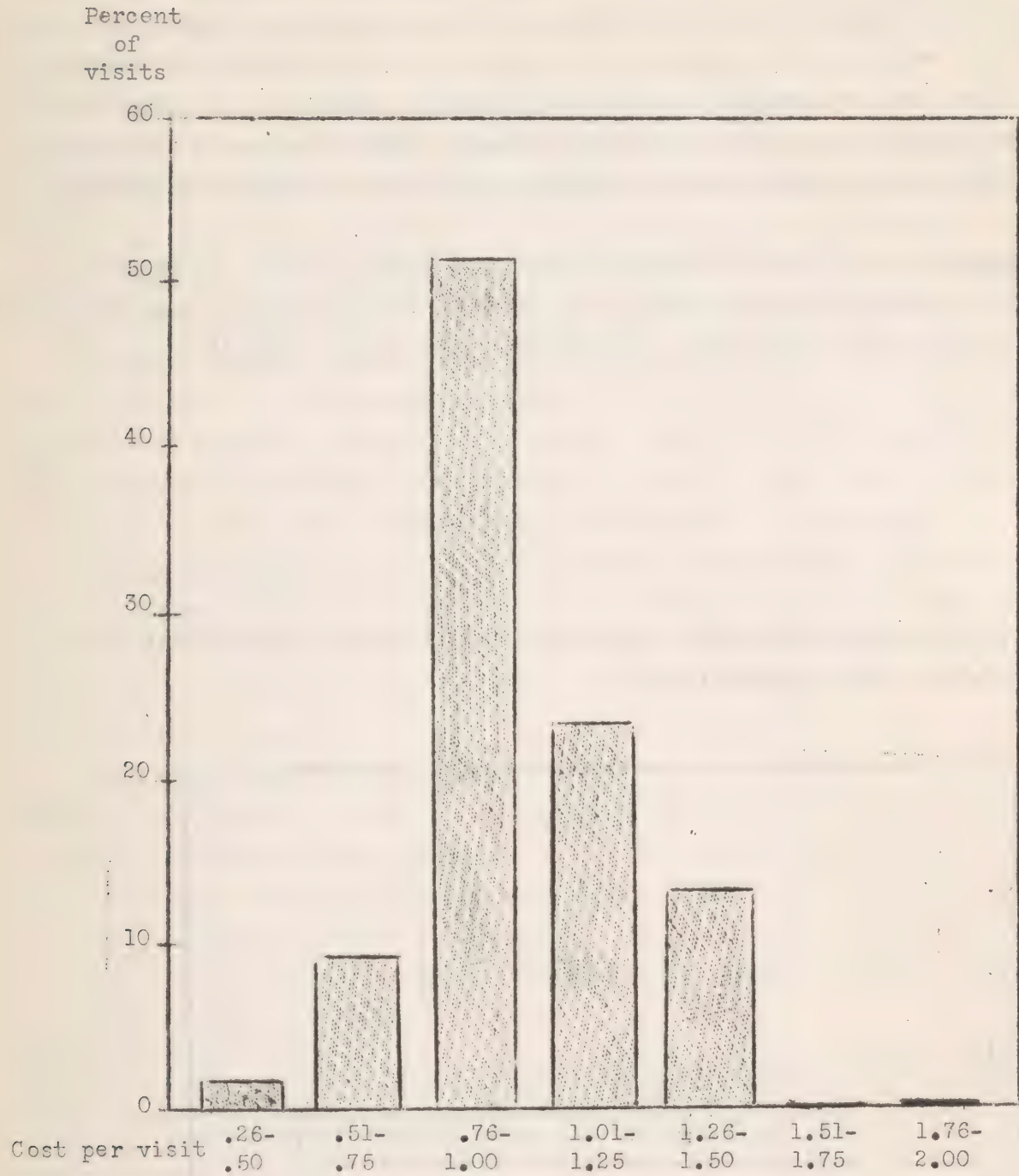
Table 5. Old Age Assistance: Physicians' visits and cost per physician's visit
July-December 1949

Cost per physician's visit	Number of visits	Percent of total
Total	231 466	100.0
\$ 1.51 - 2.00	751	.3
2.01 - 2.50	6 251	2.7
2.51 - 3.00	125 430	54.2
3.01 - 3.50	30 097	13.0
3.51 - 4.00	63 853	27.6
4.01 - 4.50	3 914	1.7
4.51 - 5.00	246	.1
5.00 and over	924	.4

Visiting Nurse Associations. In 150 cities and towns throughout the State recipients of Old Age Assistance utilized the facilities of the Visiting Nurse Associations. Thus 61 percent of the persons aided lived in cities or towns in which visiting nurse services were available. The fee schedule established by the Department for visiting nurses' services is \$1.00 per visit^{1/}, yet 12 955 out of a total of 35 366 visits made during the study period or over 1/3 of the total number of visits were paid for at a rate of over \$1.00. Forty-seven cities and towns paid over \$1.00 for visiting nurses' visits, 76 cities and towns paid at a rate of \$1.00 per visit and 27 cities and towns paid at a rate of less than \$1.00 per visit.

^{1/} Massachusetts Department of Public Welfare, Manual of Public Assistance, Assistance Policies and Procedures, November 1, 1943. p. 235.

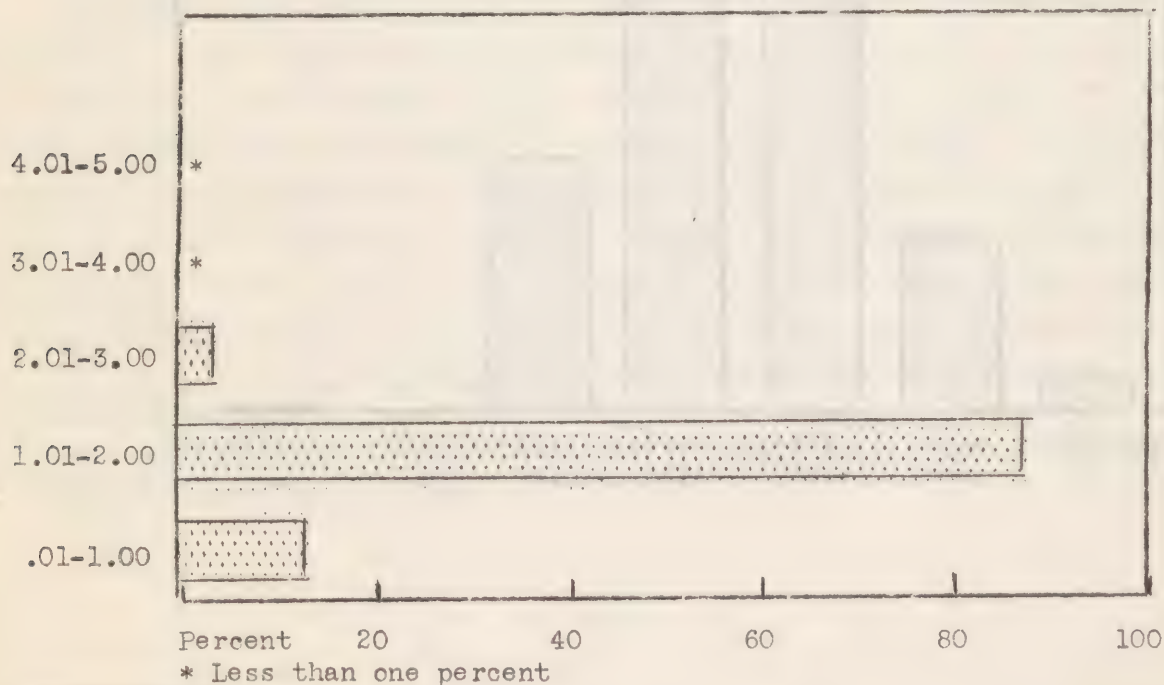
Fig. 3. Percentage distribution of visiting nurses' visits by cost per visit, July-December 1948



Out-patient Department Visits. Old Age Assistance recipients in 165 cities and towns made use of hospital out-patient departments during the study period. As might be expected, towns making use of such out-patient clinics tended geographically to cluster around the urban centers. In Dukes county with its seven towns no visits to out-patient clinics were recorded. Of the 116 cities and towns in the four Western counties (Hampden, Hampshire, Berkshire, and Franklin) and Barnstable County only 16 cities and towns made payments to recipients for out-patient department services. The cost involved in this service is small compared to the total cost of medical care, amounting to about $1/3$ of one percent of the total cost. Moreover, there were 45 visits by physicians to recipients to every out-patient department visit.

The average cost of each out-patient visit was \$1.50, yet the maximum fee schedule established by the department is \$1.00 per visit^{1/}. Eighty-seven point one percent or 4 460 of the visits were paid for at a rate higher than \$1.00.

Fig. 4. - Old Age Assistance: Percentage distribution of out-patient visits by cost per visit July - December 1948.



^{1/} Mass. Dept. Public Welfare, op. cit. p. 235

MISCELLANEOUS MEDICAL SERVICES

Drugs. The cost of drugs is an item of major importance in the cost of medical care. Twenty cents (20.1 percent) out of each medical care dollar goes to purchase medicine. For every dollar spent for physicians' services, 63 cents is spent on medicine.

In this relatively high expenditure for drugs, Massachusetts is not alone among the States. In 1946 in Massachusetts 21.5 percent of the medical care costs went to drugs^{1/}. In the same year, New Hampshire^{2/} spent 18.4 percent of its medical care dollars on drugs while Maine^{3/} spent 45.7 percent of its expenditures for drugs. Connecticut^{4/} spent 24.4 cents out of each medical care dollar for drugs while North Dakota^{5/} spent 22.3 percent of its medical care expenditures on drugs.

Surgery. While ordinarily the cost of surgical care is included in the cost of hospitalization, in some cases, particularly when the recipient is hospitalized in an unstaffed hospital, surgical fees become a specific item of expense. However, the expenditure for surgical care amounts to less than one percent (.0066) of the total medical care cost or \$15 074.60 for the period of this study.

Eye Glasses and Examinations. The expense of purchasing eye glasses although only 2.5 percent (.0247) of the total cost of medical care is an item of some importance since it amounts to an expenditure of \$56 271.87 for the period of this study. Eye examinations amount to another \$17 636.35 or 0.77 percent of the total expenditure for medical care.

Dental Care and Dentures. Dental care for recipients of Old Age Assistance amounts to \$9 559.64 or less than one-half of one percent (.0042) of the total expenditure for medical care. However, the cost of purchasing dentures consumes about two and one-half percent (.0247) of the medical care costs for a total of \$53 392.55.

X-ray Services. Expenses were incurred for X-rays in 217 cities and towns. The total cost of such services was \$17 740.91 or less than one percent (.0078) of the total cost of medical services.

1/ Federal Security Agency, Social Security Administration, Bureau of Public Assistance, Medical Care in Public Assistance 1946 Public Assistance Report No. 16. Part I, State Reports October 1948. No. 18 p. 19.

2/ Ibid., No. 11 p. 12.

3/ Ibid., No. 2 p. 12.

4/ Ibid., No. 1 p. 12.

5/ Ibid., No. 5 p. 19.

Nonspecified Medical Services. Over two percent (2.27) of all medical costs amounting to \$51 777.97 for the study period were for miscellaneous services not listed above. These services include the following:

Treatments

Foot care

Ear, Nose and Throat

Immunization

Injections

Physiotherapy

Osteopathic

Diathermy

Ultra-violet

Whirlpool

Electronic

X-ray

Radiation

Appliances

Artificial eye

Artificial limb

Artificial nose

Braces, knee caps, and back braces

Casts

Colostomy outfit

Comfort cushions

Crutches, pads, and tips

Elastic hose, ace bandages

Hearing aids, repairs and batteries

Hospital beds

Insulin syringe, needle, and supplies

Special chairs

Special shoes and arch supports

Surgical belts

Trusses

Tests

Analysis, not classified

Barium enema, X-ray

Blood count and Hemoglobin

Blood typing

Cystoscopy

Diabetic

Electro-cardiogram

Metabolism

SUMMARY

During the six months of this study period an average of \$4.23^{1/} each month was spent for medical care of each recipient of Old Age Assistance. Furthermore, for each recipient of Old Age Assistance an average of \$1.54 per month was spent for hospitalization, \$1.34 for physicians' services, \$.85 for drugs, and \$.50 for all other items of medical care^{1/}. Sufficient money was expended for physicians' visits to allow every recipient to see his doctor once every two months.

The sum of \$37 491 was paid to Visiting Nurse Associations in 150 cities and towns for the care of recipients of Old Age Assistance. About 1/3 of the cities and towns (47) paid more than \$1.00 per nurse's visit. Since it was found necessary in so many cities and towns to exceed the current fee schedule established by the Department, it appears that this fee schedule is in need of a revision upward.

A total of \$7 700 was paid to recipients for visits to hospital and out-patient departments by 165 cities and towns. Almost nine out of every ten visits (87.1 per cent) cost more than the maximum fee established by the Department's fee schedule. This indicates that the maximum rate specified in the fee schedule has not been adjusted to a realistic figure to meet the general rise in the cost of these services.

Medical care in Old Age Assistance involves an annual expenditure of almost five million dollars. No state-wide figures on the detail of this expenditure are readily available on a monthly or quarterly basis because the administrative cost incident to the periodic reporting of such expenditures for medical care would be excessive. However, from time to time it is necessary to examine the detail of these expenditures for the purpose of planning for the future. Therefore, a study at least every two years, similar in scope to this study, would be justified.

^{1/} Computed on the basis of the average monthly case load.

APPENDIX

Table 6. Old Age Assistance: Unit^{1/} costs of specified medical services for the six months, July - December 1948

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>BARNSTABLE COUNTY</u>					
Barnstable	\$ 6.25	\$ 3.88	\$ 1.00	\$ 1.35	\$ 3.20
Bourne	6.33	3.63		1.50	9.25
Brewster		3.58			4.00
Chatham	6.64	2.75	.50		4.00
Dennis	4.00	3.82	1.00		4.09
Eastham	8.00	3.50			
Falmouth	5.69	3.68	.75	1.31	4.00
Harwich	7.89	3.79			5.00
Mashpee	2.67	7.09			
Orleans	4.00	3.68	1.00		3.67
Provincetown	6.70	3.84	2.00	1.33	3.44
Sandwich	4.19	3.66			6.50
Truro	8.00	4.44			
Wellfleet	8.00	4.07			4.50
Yarmouth	8.00	3.79	1.00	1.00	3.25
Average unit cost	\$ 6.17	\$ 3.95	\$ 1.04	\$ 1.30	\$ 4.58
<u>BERKSHIRE COUNTY</u>					
Adams	\$ 8.56	\$ 1.64	\$	\$ 2.83	\$ 3.19
Alford	7.01	3.75			
Becket	8.46	3.22			4.33
Cheshire	9.49	2.06			3.00
Clarksburg		3.14			4.33
Dalton	5.85	2.99			4.73
Egremont		3.14		2.00	
Florida	19.21	4.31			
Gt. Barrington	7.40	3.53	1.00		3.73
Hancock		3.09			
Hinsdale	7.31	2.87			3.50
Lanesborough	12.94	2.92			5.00
Lee	8.17	2.49			3.00
Lenox	8.40	2.90			3.00
Monterey	12.68	3.50	1.00		
Mt. Washington					
New Ashford					
New Marlborough	9.26	2.63	1.00		3.00
North Adams	9.43	2.65	1.00	2.00	3.00
Otis					
Peru		3.00			4.50
Pittsfield	7.93	2.70	1.50		3.95
Richmond		3.04			
Sandisfield		4.00			3.00
Savoy		3.75			4.00

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>BERKSHIRE COUNTY (cont.)</u>					
Sheffield	\$ 4.81	\$ 2.87	\$ 1.00	\$	\$ 3.00
Stockbridge	6.07	2.70			3.00
Tyringham		2.00			
Washington		3.10			
West Stockbridge		2.49	1.25		4.00
Williamstown	7.12	2.96	.69		3.00
Windsor	9.36	4.93			5.00
Average unit cost	\$ 8.92	\$ 3.05	\$ 1.06	\$ 2.28	\$ 3.68
<u>BRISTOL COUNTY</u>					
Acushnet	\$ 8.00	\$ 3.36	\$ 1.00	\$	\$ 3.00
Attleboro	7.40	2.88	1.00	1.67	3.32
Berkley	8.00	4.29			3.20
Dartmouth	8.00	3.88	1.25	1.13	2.95
Dighton	7.29	3.79			5.00
Easton	6.30	3.88	1.00	1.85	3.23
Fairhaven	7.46	3.90	.75	.50	3.19
Fall River	8.03	2.62	1.00	2.00	3.55
Freetown	7.68	4.14			3.25
Mansfield	7.88	2.88			3.44
New Bedford	8.00	3.76	1.25	2.00	3.38
North Attleborough	6.46	3.57	1.00	1.97	(2)
Norton	7.75	3.01	.75		3.00
Raynham	6.77	3.88			4.33
Rehoboth	8.06	3.68	1.00		3.50
Seekonk		3.55			3.00
Somerset	7.37	2.58			3.00
Swansea	7.49	2.86		2.00	3.40
Taunton	7.08	3.70	1.33	2.00	4.00
Westport	8.06	3.56			3.00
Average unit cost	\$ 7.53	\$ 3.49	\$ 1.03	\$ 1.68	\$ 3.41
<u>DUKES COUNTY</u>					
Chilmark	\$ 6.00	\$ 3.28	\$	\$	\$ 3.00
Edgartown	6.94	2.80			3.80
Gay Head		5.27			
Gosnold					
Oak Bluffs	7.12	2.60			3.00
Tisbury	6.43	2.61			3.22
West Tisbury	7.95				
Average unit cost	\$ 6.89	\$ 3.31			\$ 3.26

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>ESSEX COUNTY</u>					
Amesbury	\$ 7.12	\$ 2.62	\$	\$ 2.00	\$ 2.92
Andover	7.79	3.78		2.00	3.00
Beverly	7.65	2.66		.89	2.93
Boxford		3.18		1.75	3.00
Danvers	8.00	2.87	.94	1.06	3.33
Essex	8.00	2.98			3.00
Georgetown	8.00	2.64	1.00	2.00	1.00
Gloucester	7.35	3.67	1.00	1.97	3.81
Groveland	7.68	2.84	1.50	2.00	4.33
Hamilton	7.87	3.01	1.00	1.00	
Haverhill	7.40	2.71	1.08	2.02	3.28
Ipswich	7.88	2.94			3.00
Lawrence	7.93	2.63	1.17	1.66	3.35
Lynn	6.32	3.48	1.25	1.25	3.03
Lynnfield	11.75	3.09	1.25		5.00
Manchester	7.97	2.94		.88	3.00
Marblehead	7.71	2.21	.65	.84	4.00
Merrimac	8.00	2.78		2.00	3.80
Methuen	6.88	2.64	1.21	2.00	3.23
Middleton	7.40	2.99		1.13	3.00
Nahant	5.95	3.76	1.25	2.00	3.33
Newbury	7.89	3.19	1.25		5.00
Newburyport	7.42	2.75	1.00	2.00	3.35
North Andover	7.96	3.48	1.04	2.00	3.89
Peabody	8.00	2.56	1.00	1.06	3.81
Rockport	7.70	3.02	.71	1.50	3.40
Rowley	8.00	2.75			3.00
Salem	7.58	2.72	1.00	.85	3.17
Salisbury	7.49	2.88		2.00	3.00
Saugus	7.49	2.77	1.00	2.00	3.15
Swampscott	7.43	3.61	1.25	2.00	3.09
Topsfield		3.04			
Wenham	8.00	2.97	1.00	.92	3.00
West Newbury	7.69	2.96			4.00
Average unit cost	\$ 7.73	\$ 2.97	\$ 1.07	\$ 1.58	\$ 3.35
<u>FRANKLIN COUNTY</u>					
Ashfield	\$10.85	\$ 3.49	\$ 1.00	\$	\$ 5.00
Bernardston	6.86	4.69			
Buckland	9.05	3.97	.75		4.00
Charlemont	8.23	3.31			5.00
Colrain		3.84			3.00
Conway		4.06			
Deerfield	7.57	3.56		2.00	4.00
Erving	7.61	3.05			4.33
Gill	8.62	3.19			
Greenfield	6.64	3.69	1.46	2.00	4.35
Hawley	10.97	3.38			3.00
Heath		4.58			

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>FRANKLIN COUNTY (cont.)</u>					
Leverett	\$ 5.98	\$ 3.38	\$	\$	\$
Leyden		6.52			
Monroe		3.00			
Montague	7.67	3.63			3.79
New Salem	4.75	4.54			3.00
Northfield	10.71	3.58	1.00		5.00
Orange	6.91	2.76	1.00		3.85
Rowe	6.90	3.95			5.00
Shelburne	8.00	3.75	.77		3.50
Shutesbury		3.90			
Sunderland	6.57	3.78			
Warwick		3.65			
Wendell	8.77	3.62			5.00
Whately		3.42			
Average unit cost	\$ 7.93	\$ 3.78	\$ 1.00	\$ 2.00	\$ 4.12
<u>HAMPDEN COUNTY</u>					
Agawam	\$ 8.84	\$ 3.08	\$ 1.00	\$ 1.00	\$ 5.00
Blandford		4.55			
Brimfield		3.39			3.00
Chester		3.09			5.00
Chicopee	7.41	2.67	1.00		3.09
E. Longmeadow	6.37	2.67	1.25		5.00
Granville		2.67			5.00
Hampden	8.00	3.70			5.00
Holland	18.48	4.50			
Holyoke	5.05	2.61	1.05	2.00	4.08
Longmeadow	7.57	3.90	1.00		3.00
Ludlow	5.00	2.55			3.75
Monson		2.82	1.00		4.00
Montgomery		3.20			
Palmer	8.54	2.65	.75		3.67
Russell		3.14			4.00
Southwick	9.27	3.17			7.00
Springfield	5.02	2.71	1.00	2.00	4.30
Tolland					
Wales		3.54			3.00
West Springfield	9.47	2.65	1.00		4.25
Westfield	5.04	2.65			4.11
Wilbraham	8.23	3.31	1.24		4.33
Average unit cost	\$ 8.02	\$ 3.15	\$ 1.03	\$ 1.67	\$ 4.24
<u>HAMPSHIRE COUNTY</u>					
Amherst	\$ 7.95	\$ 3.43	\$ 1.00	\$ 4.00	\$ 3.25
Belchertown	8.00	2.82			3.33
Chesterfield	8.93	2.99			4.00
Cummington	6.73	3.51			3.00
Easthampton	7.87	2.70	.49	2.00	3.18

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>HAMPSHIRE COUNTY (cont.)</u>					
Goshen	\$ 9.94	\$ 3.67	\$	\$	\$
Granby		3.31			
Hadley		3.77			5.00
Hatfield	7.87	2.97	1.00		3.00
Huntington	6.21	3.80	1.00		5.00
Middlefield		2.90			
Northampton	7.53	3.44	1.00	1.50	4.00
Pelham		3.92			3.00
Plainfield	10.48	3.75			
South Hadley	7.67	2.73			4.00
Southampton	8.00	4.02			4.33
Ware	7.66	3.77	1.00		3.40
Westhampton	8.00	3.82	1.00		4.00
Williamsburg	7.70	2.97	1.00		3.00
Worthington	8.00	4.40			5.00
Average unit cost	\$ 8.03	\$ 3.43	\$.94	\$ 2.50	\$ 3.78
<u>MIDDLESEX COUNTY</u>					
Acton	\$ 8.00	\$ 2.75	\$	\$	\$ 3.00
Arlington	7.87	2.34		2.00	2.34
Ashby	8.00	3.44			3.00
Ashland	6.68	3.46			5.00
Ayer	6.79	2.28		2.00	3.00
Bedford		3.00		2.00	
Belmont	10.66	2.79	1.00	1.91	3.25
Billerica	7.58	2.61		2.46	3.50
Boxborough		3.18			
Burlington	8.00	2.77		.92	3.33
Cambridge	7.64	2.74	1.50	1.47	3.40
Carlisle		3.00			3.00
Chelmsford	7.98	2.67	1.00	1.82	2.86
Concord	8.00	2.95	1.29	2.00	4.40
Dracut	8.00	2.79	1.00	1.45	3.62
Dunstable	9.40	8.13			
Everett	7.64	2.70		1.10	3.28
Framingham	7.47	3.46		1.00	4.56
Groton	6.25	2.90			3.50
Holliston	7.44	3.36		2.00	4.67
Hopkinton	7.85	4.34	1.00	2.00	4.17
Hudson	6.30	3.48		1.00	3.93
Lexington	7.88	2.67	1.50	2.00	3.00
Lincoln	8.00	3.88		2.19	
Littleton	6.44	3.53			3.00
Lowell	7.86	2.73	1.00	1.82	3.64
Malden	7.47	2.71	.67	1.03	3.56
Marlborough	7.51	4.24	1.00	1.00	2.27
Maynard	7.94	3.87	.60	1.00	
Medford	7.50	2.76	1.50	1.96	3.55
Melrose	7.64	2.71	1.25	1.02	3.10

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>MIDDLESEX COUNTY (cont.)</u>					
Natick	\$ 5.75	\$ 3.94	\$ 1.14	\$ 1.00	\$ 3.88
Newton	7.55	2.82	1.47	1.43	3.63
North Reading	8.00	3.14			3.00
Pepperell	7.20	3.39	.90		3.00
Reading	7.93	3.46	1.50	2.00	3.73
Sherborn		3.35			
Shirley	7.00	2.38		2.00	4.00
Somerville	6.33	3.61	1.48	1.92	4.43
Stoneham	3.29	2.97	1.00	1.88	2.82
Stow	8.00	3.87	1.00	2.00	6.00
Sudbury		3.94			3.00
Tewksbury	7.87	3.12	1.00	2.00	3.50
Townsend	5.86	3.10			3.22
Tyngsborough	6.00	2.74		1.00	3.25
Wakefield	7.51	2.70		2.00	3.76
Waltham	23.42	2.88	1.24	1.61	3.24
Watertown	10.30	2.66	1.00	1.28	4.40
Wayland	7.39	3.56	1.00	2.00	2.80
Westford	8.00	2.69	1.00		3.50
Weston	15.17	3.14	1.00		
Wilmington	8.00	2.86		2.83	4.00
Winchester	8.00	2.53	1.00	1.97	3.00
Woburn	7.63	2.80	1.00	1.95	3.03
Average unit cost	\$ 8.00	\$ 3.18	\$ 1.11	\$ 1.69	\$ 3.51
<u>NANTUCKET COUNTY</u>					
Nantucket	\$ 6.51	\$ 2.39		\$ 1.60	\$ 3.00
<u>NORFOLK COUNTY</u>					
Avon	\$ 7.97	\$ 3.75	\$	\$ 1.17	\$
Bellingham	7.64	3.30	1.25	1.96	3.42
Braintree	5.86	2.99	1.23	1.00	4.00
Brookline	11.62	2.78	1.00	1.70	3.34
Canton	8.00	3.42		2.29	3.80
Cohasset	8.00	3.42	1.25	2.00	3.00
Dedham	10.41	2.85		1.97	3.25
Dover		2.52		1.50	
Foxborough	6.70	3.83		2.00	3.00
Franklin	8.00	2.79	1.00	2.13	3.55
Holbrook	6.67	3.81		2.00	4.20
Medfield	8.00	3.24		2.00	3.80
Medway	4.73	2.87	2.00		3.00
Millis	8.00	2.96	1.00	2.00	5.00
Milton	10.99	2.82	1.00	1.89	4.80
Needham	7.50	2.53	1.00	2.04	4.25
Norfolk		3.34			
Norwood	8.12	2.22	.90	2.00	4.04
Plainville	7.45	4.08	1.00		3.00
Quincy	7.13	2.90	1.00	1.64	3.92
Randolph	6.08	2.75		2.00	3.00

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. Unit cost
<u>NORFOLK COUNTY (cont.)</u>					
Sharon	\$ 7.61	\$ 3.76	\$	\$ 2.00	\$ 3.00
Stoughton	6.93	3.76	.75	1.99	2.20
Walpole	7.55	2.30		1.00	3.14
Wellesley	7.19	3.71	1.00	1.55	3.84
Westwood		3.64	1.43	2.00	
Weymouth	6.93	3.81		1.94	3.91
Wrentham	8.00	3.82			2.75
Average unit cost	\$ 7.72	\$ 3.21	\$ 1.12	\$ 1.82	\$ 3.55
<u>PLYMOUTH COUNTY</u>					
Abington	\$ 7.98	\$ 3.58	\$	\$ 2.00	\$ 3.50
Bridgewater	10.22	2.86	1.27	1.75	4.00
Brockton	11.79	3.59	1.00	1.13	3.55
Carver	8.00	3.64		2.00	
Duxbury	6.30	3.73		2.00	5.00
East Bridgewater	7.54	3.06	.75	2.00	5.00
Halifax		3.78		2.00	
Hanover	8.00	3.64		1.29	
Hanson	7.93	3.88		1.83	2.33
Hingham	8.00	3.51	1.00	1.85	
Hull	8.90	3.92		2.00	
Kingston	7.13	3.58	1.25	1.00	
Lakeville	7.46	3.51	1.00		3.75
Marion	8.00	3.14	1.00	2.00	3.00
Marshfield	7.98	3.55	.90	1.70	5.00
Mattapoisett	5.98	3.05			4.60
Middleborough	7.63	3.44	1.00	2.00	
Norwell	7.86	3.61		2.00	3.00
Pembroke	8.00	3.80		2.00	4.00
Plymouth	7.17	2.48		1.00	4.33
Plympton		3.21			
Rochester	4.43	3.83			3.00
Rockland	7.24	3.67		1.69	3.67
Scituate	7.51	2.83		2.00	
Wareham	6.70	3.17		2.00	3.00
West Bridgewater	8.00	3.48		.75	3.00
Whitman	7.96	2.87		1.40	5.00
Average unit cost	\$ 7.75	\$ 3.42	\$ 1.02	\$ 1.71	\$ 3.82
<u>SUFFOLK COUNTY</u>					
Boston	\$ 7.08	\$ 2.74	\$ (2)	\$ (2)	\$ (2)
Chelsea	7.72	2.60	.75	1.00	3.11
Revere	7.42	3.58	1.00	.98	3.05
Winthrop	7.79	2.74	1.24	1.92	3.77
Average unit cost	\$ 7.50	\$ 2.92	\$ 1.00	\$ 1.30	\$ 3.31

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>WORCESTER COUNTY</u>					
Ashburnham	\$ 7.03	\$ 2.43	\$ 1.00	\$	\$ 3.50
Athol	7.03	2.96		2.00	3.08
Auburn	7.97	3.65	1.00		5.00
Barre	9.12	3.10			5.00
Berlin		3.82			
Blackstone	8.00	4.14		2.67	5.00
Bolton	6.92	3.79	1.50		3.00
Boylston	7.62	3.82			4.50
Brookfield	7.98	2.85			3.00
Charlton	6.08	2.49			3.00
Clinton	7.55	8.31	1.08	3.22	4.43
Douglas	9.96	3.16			3.00
Dudley	8.98	3.62			3.60
East Brookfield	7.82	3.09			
Fitchburg	7.96	3.70	1.00	1.98	3.19
Gardner	6.93	3.56	1.39	1.92	3.19
Grafton	7.88	4.04	1.00		6.90
Hardwick	6.40	3.99			4.00
Harvard	7.65	3.08			
Holden	6.93	3.90	1.75	3.00	3.00
Hopedale	6.15	4.12	1.04		3.00
Hubbardston	8.00	4.99			3.00
Lancaster	8.31	3.34	.80	4.86	4.34
Leicester	8.83	2.80	1.00	.50	3.60
Leominster	6.06	3.56			3.14
Lunenburg	7.90	3.56			3.34
Mendon	8.28	2.47	1.25		
Milford	5.88	2.59	1.06	1.00	4.16
Millbury	7.98	3.73			4.50
Millville	8.00	3.67			
New Braintree		3.86			
N. Brookfield	7.98	3.15	1.50		4.00
Northborough	7.23	3.97	.51	.50	4.60
Northbridge	6.42	3.81	1.00	.75	3.67
Oakham	8.88			2.00	
Oxford	11.36	3.80	1.18	.75	4.00
Daxton		5.00			
Petersham	5.99	3.17			3.00
Phillipston	6.61	3.46			3.00
Princeton	6.00	3.76			5.00
Royalston	8.60	4.15			
Rutland		3.55			5.00
Shrewsbury	7.68	4.11		1.19	3.50
Southborough	8.00	3.52	1.00		3.67
Southbridge	3.82	2.72	.69	.94	4.75
Spencer	7.26	2.76	.75	.73	3.77
Sterling	7.42	4.33		1.00	3.50
Sturbridge	6.58	3.39	.67		3.00
Sutton		4.12		1.00	3.33
Templeton	7.42	3.05		2.00	3.75
Upton	9.98	3.92		1.00	5.00

See footnotes at end of table.

City or town	Hospital unit cost	Physician unit cost	V.N.A. unit cost	Out-patient unit cost	Eye-exam. unit cost
<u>WORCESTER COUNTY (cont.)</u>					
Uxbridge	\$ 9.41	\$ 2.96	\$ 1.00	\$.	\$.
Warren	8.00	2.83			3.00
Webster	6.48	3.56	.71	1.00	3.46
West Boylston	6.00	3.90			4.00
West Brookfield		2.99			
Westborough	7.59	3.18	.36	.79	3.96
Westminster	7.44	3.88			3.00
Winchendon	6.31	3.01		2.00	3.00
Worcester	5.22	3.45			3.90
Average unit cost	\$ 7.50	\$ 3.59	\$ 1.01	\$ 1.60	\$ 3.80

1/ Unit of Hospitalization is the patient-day, for Physician is a visit either home or office, for V.N.A. a visit, Out-patient, a visit and for Eye-exam, an examination by either an oculist or optometrist.

(2) Data not available.

Table 7. Old Age Assistance: Cases, total expenditures for medical care, hospital costs and units, physician costs and units, cost of drugs, and all other medical costs in cities and towns, by State districts, July through December 1948

City or town	Cases 1/	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units 2/	Costs	Units 3/		
District I									
Adams	214	\$ 61 555.67	\$ 2 068.12	\$ 77.00	9	\$ 1 180.00	721	\$ 232.37	\$ 578.75
Agawam	87	24 052.93	1 686.94	751.20	85	348.00	113	377.93	209.76
Alford	8	2 795.88	404.36	105.10	15	15.00	4	52.26	232.00
Amherst	131	46 153.32	3 395.09	1 264.22	159	809.00	236	951.27	370.60
Ashfield	23	8 139.89	1 040.50	86.80	8	240.50	69	106.20	507.00
Becket	37	12 179.37	1 118.40	236.75	28	376.50	117	440.95	61.20
Belchertown	81	25 866.58	2 859.43	400.00	50	1 609.00	570	717.18	133.25
Bernardston	27	9 049.96	1 210.36	383.95	56	455.00	97	207.91	163.50
Blandford	10	3 259.95	228.03			141.00	31	87.03	
Brimfield	21	6 894.65	334.55			129.00	38	104.30	100.75
Buckland	46	16 788.25	2 130.25	932.34	103	262.00	66	390.66	545.25
Charlemont	37	12 129.38	1 794.30	962.99	117	493.00	149	196.01	142.30
Cheshire	46	16 377.38	1 601.30	408.05	43	527.00	305	549.25	17.00
Chester	32	9 798.28	632.13			312.00	101	294.13	26.00
Chesterfield	25	8 886.94	864.69	491.38	55	206.00	69	77.71	89.60
Chicopee	567	160 579.10	13 291.80	3 113.15	420	3 153.00	1130	5 071.13	1 954.52
Clarksburg	40	10 956.75	611.95			310.50	99	167.95	133.50
Colrain	29	9 459.61	963.15			480.00	125	368.15	115.00
Conway	24	7 470.37	402.22			142.00	35	243.22	14.00
Cummington	26	8 768.05	864.40	484.90	72	242.00	69	87.00	50.50
Dalton	121	41 775.67	6 702.79	2 562.29	438	1 783.50	597	1 563.08	793.92
Deerfield	55	15 372.43	923.65	287.65	38	367.00	103	196.00	73.00
E. Longmeadow	44	15 613.13	2 912.67	1 829.55	287	663.00	248	354.37	65.75
Easthampton	201	56 866.77	4 986.37	1 861.17	239	968.00	359	1 529.45	607.75
Egremont	15	4 384.35	68.40			44.00	14	6.40	18.00
Erving	21	7 341.55	835.10	235.97	31	335.00	110	229.63	34.50
Florida	7	2 712.09	665.19	134.50	7	224.00	52	306.69	
Gill	11	3 239.12	429.58	327.58	38	102.00	32		
Goshen	9	2 076.89	381.49	357.99	36	22.00	6	1.50	
Granby	21	5 696.41	380.25			119.00	36	243.25	18.00
Granville	10	2 421.95	76.65			32.00	12	22.65	22.00
Gt. Barrington	182	67 020.77	11 298.31	3 173.70	429	5 607.00	1589	1 744.77	772.84

See footnotes at end of table.

City or town	Cases	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units	Costs	Units		
Dist. I (cont.)									
Greenfield	340	\$122 469.76	\$ 16 229.26	\$ 7 125.83	1073	\$ 3 578.00	970	\$ 3 119.95	\$2 405.48
Hadley	6	2 176.23	138.23			49.00	13	66.23	23.00
Hampden	26	7 951.94	564.72	40.00	5	333.00	90	116.22	75.50
Hancock	10	3 237.61	77.71			49.50	16	28.21	
Hatfield	30	8 757.21	306.81	110.15	14	101.00	34	52.16	43.50
Hawley	12	3 491.51	340.02	186.50	17	54.00	16	61.52	38.00
Heath	10	3 037.97	193.87			110.00	24	83.87	
Hinsdale	50	18 864.00	1 326.74	109.67	15	634.00	221	444.63	138.44
Holland	8	2 503.81	195.56	92.40	5	54.00	12	47.16	2.00
Holyoke	1281	407 548.71	46 191.95	18 757.10	3713	11 319.00	4333	12 853.65	3 262.20
Huntington	34	11 008.37	1 082.20	161.40	26	528.00	139	239.80	153.00
Lanesborough	48	13 544.58	851.30	401.05	31	166.25	57	72.85	211.15
Lee	103	29 324.30	1 600.62	702.45	86	610.00	245	144.67	143.50
Lenox	51	13 625.54	313.22	142.87	17	87.00	30	48.35	35.00
Leverett	27	7 404.17	982.81	287.20	48	338.00	100	162.61	195.00
Leyden	16	5 631.48	508.78			300.00	46	208.78	
Longmeadow	34	10 845.78	1 278.92	355.86	47	226.00	58	311.92	385.14
Ludlow	100	27 460.75	2 739.80	420.50	84	751.00	294	1 250.95	317.35
Middlefield	6	2 037.90	93.40			58.00	20	35.40	
Monroe	5	1 325.15	18.00			18.00	6		
Monson	113	34 001.36	2 721.69			1 382.00	490	1 116.94	222.75
Montague	176	58 443.22	6 520.88	1 633.18	213	2 034.00	561	1 949.21	904.49
Monterey	8	3 577.37	440.20	329.60	26	63.00	18	6.60	41.00
Montgomery	4	1 453.11	48.50			32.00	10	16.50	
Mt. Washington	No cases								
New Ashford	3	692.35	2.20					2.20	
New Marlborough	35	10 949.19	1 365.12	361.05	39	470.00	179	402.07	132.00
New Salem	13	4 015.20	235.25	14.25	3	177.00	39	13.00	31.00
North Adams	628	211 551.24	23 092.07	3 913.81	415	8 821.75	3335	6 681.60	3 674.91
Northampton	376	111 913.47	8 489.60	5 089.55	676	1 434.00	417	1 312.60	653.45
Northfield	76	26 720.02	3 294.28	1 006.96	94	1 236.00	359	601.32	400.00
Orange	184	61 430.30	6 773.45	2 203.60	319	2 769.00	1003	862.93	937.92
Otis	11	3 396.16	0						
Palmer	160	50 257.26	6 218.05	2 100.47	246	2 070.00	780	1 568.08	479.50
Felham	20	6 072.85	192.17			102.00	26	69.17	21.00

See footnotes at end of table.

City or town	Cases ¹ /	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units ²	Costs	Units ³		
Dist. I (cont.)									
Peru	7	\$ 2 482.74	\$ 273.84			\$ 15.00	5	\$ 47.84	\$ 211.00
Pittsfield	970	325 733.96	27 244.75	13 003.18	1640	6 140.00	2276	3 918.35	4 183.22
Plainfield	4	1 741.37	81.77	73.27	7	7.50	2	1.00	
Richmond	14	5 015.70	175.00			161.00	53		14.00
Rowe	9	5 203.82	1 919.62			517.00	131	75.04	64.00
Russell	27	6 808.74	502.09			333.00	106	77.09	92.00
Sandisfield	15	4 547.33	41.60			8.00	2	18.60	15.00
Savoy	20	6 307.70	293.40			150.00	40	82.60	60.80
Sheffield	49	14 154.48	1 537.46	182.75	38	966.00	337	260.21	178.50
Shelburne	57	18 368.77	1 532.17	152.00	19	514.00	137	408.82	457.35
Shutesbury	5	2 328.56	167.20			121.00	31	46.20	
South Hadley	118	37 835.59	3 300.75	751.19	98	1 049.00	384	1 305.81	194.75
Southampton	20	6 102.63	455.09	40.00	5	169.00	42	190.14	55.95
Southwick	21	6 270.27	177.67	92.70	10	165.00	52	170.72	49.25
Springfield	2978	1 001 674.62	82 430.23	19 519.50	3048	24 049.50	2864	27 554.87	11 556.36
Stockbridge	33	10 695.18	1 287.85	868.05	143	286.00	106	70.80	63.00
Sunderland	12	4 439.25	193.75	92.00	14	34.00	9	37.75	
Tolland	No cases								
Tyringham	5	1 357.50	63.00			80.00	30		3.00
Wales	11	4 112.08	89.69			46.00	13	8.29	35.40
Ware	157	48 605.11	3 726.96	850.00	111	1 134.00	301	960.46	782.50
Warwick	16	4 368.35	94.00			73.00	20	14.00	7.00
Washington	8	3 492.38	222.25			121.00	59	78.25	23.00
Wendell	18	7 683.44	1 284.24	500.13	57	532.00	147	129.11	123.00
West Springfield	215	64 855.45	5 710.62	1 938.05	210	1 342.00	507	1 765.23	615.34
West Stockbridge	54	16 106.05	475.30			341.00	137	50.80	83.50
Westfield	264	77 854.61	5 847.97	2 228.45	442	1 594.00	601	1 609.77	415.75
Westhampton	16	4 740.18	431.69	208.00	26	42.00	11	116.69	115.00
Whately	26	8 036.08	285.68			157.50	46	128.18	
Wilbraham	41	13 341.62	2 011.30	485.55	59	639.00	193	642.00	244.15
Williamsburg	54	19 040.92	819.38	208.00	27	388.50	131	154.88	68.00
Williamstown	96	30 415.10	3 101.47	946.44	133	994.00	336	357.88	803.15
Windsor	5	1 397.51	339.71	252.71	27	74.00	15		13.00
Worthington	13	4 167.12	178.07	112.00	14	44.00	10	12.07	10.00
Total District I	11 570	\$ 3 741 517.55	\$ 348 535.37	\$ 109 651.23	17 086	\$ 104 068.50	36 407	\$ 91 202.15	\$ 43 413.49

See footnotes at end of table.

City or town	Cases ^{1/}	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units ^{2/}	Costs	Units ^{3/}		
District II									
Acton	78	\$ 24 146.66	\$ 1 562.82	\$ 688.00	86	\$ 494.50	176	\$ 217.82	\$ 172.50
Ashburnham	79	26 115.83	2 560.06	408.00	58	1 124.00	463	765.06	263.00
Ashby	17	5 480.19	334.89	24.00	3	189.00	55	57.89	64.00
Ashland	60	19 664.21	884.19	353.93	53	263.00	76	210.76	56.50
Athol	235	71 125.04	5 642.63	1 597.20	227	2 792.50	944	737.43	515.50
Auburn	107	27 355.61	2 476.41	1 060.00	133	1 036.00	284	235.81	144.60
Ayer	100	29 784.36	2 657.05	1 589.50	234	555.00	243	363.55	149.00
Barre	47	12 207.27	988.36	227.95	25	400.00	129	251.04	109.37
Berlin	38	12 087.43	704.06			401.50	105	274.56	28.00
Blackstone	89	25 030.72	998.42	344.00	43	286.00	69	285.56	83.06
Bolton	26	8 702.95	725.63	276.89	40	159.00	42	125.49	164.25
Boxborough	7	2 529.19	58.14			35.00	11	23.14	
Boylston	23	8 223.37	532.80	327.84	43	149.00	39	28.96	34.00
Brookfield	37	11 893.80	2 034.91	1 062.00	133	665.00	233	209.41	98.50
Charlton	61	15 729.37	796.07	152.00	25	430.00	173	164.07	50.00
Clinton	420	154 415.53	18 108.82	6 096.50	808	6 716.70	808	3 403.00	1 889.62
Douglas	45	14 659.18	1 722.34	1 125.03	113	275.00	87	157.06	172.25
Dudley	84	27 017.54	4 092.91	2 535.00	288	1 064.00	294	167.12	276.75
E. Brookfield	30	8 168.22	819.47	133.00	17	485.00	157	161.15	10.32
Fitchburg	739	253 093.01	20 475.95	9 196.46	1193	4 435.00	1208	5 054.66	1 459.83
Framingham	468	156 349.66	10 606.73	3 661.00	490	3 832.00	1109	2 083.03	1 030.65
Gardner	275	78 607.60	6 680.80	2 106.05	304	2 777.00	780	1 091.06	706.89
Grafton	141	45 767.94	4 181.09	875.00	111	1 496.00	370	1 436.39	313.70
Groton	63	17 279.61	2 055.06	212.65	34	906.00	312	785.91	150.50
Hardwick	54	15 628.23	897.30	96.00	15	355.50	89	200.70	245.10
Harvard	20	6 488.06	954.21	306.00	40	394.00	128	54.21	171.45
Holden	102	26 676.87	1 357.73	395.00	57	648.00	166	143.28	200.00
Holliston	78	24 826.56	1 863.71	335.00	45	779.00	232	566.92	182.79
Hopedale	41	11 928.68	1 436.68	683.00	111	313.00	76	308.93	131.75
Hopkinton	119	40 037.65	3 865.69	259.18	53	1 829.50	422	932.31	844.70
Hubbardston	42	12 979.37	838.83	616.08	77	174.50	35	24.25	24.00
Hudson	194	57 883.82	5 826.70	1 701.42	270	2 121.00	610	1 679.28	325.00
Lancaster	106	36 316.12	2 832.59	432.00	52	1 054.50	316	831.00	515.09
Leicester	94	32 458.16	2 186.88	848.00	96	802.00	286	305.38	231.50
Leominster	586	188 571.18	7 741.75	2 574.00	425	4 120.50	1156	149.80	897.45
Littleton	34	8 337.75	414.65	113.00	18	141.00	40	79.15	78.50

See footnotes at end of table.

City or town	Cases ^{1/}	Total expenditures	Expenditures for		Hospital		Physician		Drugs	Other
			medical care		Costs	Units ^{2/}	Costs	Units ^{3/}		
Dist. II (cont.)										
Lunenburg	63	\$ 21 118.76	\$ 1 338.81		\$ 877.00	110	\$ 224.00	63	\$ 183.31	\$ 54.50.
Marlborough	421	130 181.19	13 470.26		4 349.49	579	6 020.00	1420	1 306.55	1 294.22.
Maynard	110	36 124.37	4 650.52		1 930.00	243	1 257.50	325	957.92	505.10
Mendon	42	14 302.53	1 036.18		645.50	78	116.00	47	179.63	95.00
Millford	287	92 417.23	4 438.79		1 463.04	249	904.00	349	1 420.25	651.50.
Millbury	164	45 321.17	3 753.42		1 260.25	158	1 198.00	321	1 043.57	231.60
Millville	46	13 157.13	504.23		120.00	15	191.00	52	155.23	38.00
Natick	278	101 355.45	10 481.48		1 419.62	247	6 716.00	1705	1 379.85	967.01
New Braintree	7	2 672.54	222.34				162.00	42	60.34	
North Brookfield	71	25 054.82	2 439.52		718.00	90	878.50	311	498.16	244.86
Northborough	65	18 998.13	1 461.75		586.00	81	588.00	148	138.75	149.00
Northbridge	126	35 707.73	4 293.91		622.30	97	2 194.00	576	1 014.61	463.00
Oakham	19	3 808.80	90.30		80.00	9			8.30	2.00
Oxford	131	34 708.85	3 304.26		874.37	77	1 743.00	459	337.19	319.70
Paxton	9	2 139.46	26.00				25.00	5	1.00	
Pepperell	114	35 573.57	1 983.42		353.00	49	738.45	218	396.97	495.00
Petersham	26	7 544.65	422.83		275.68	46	76.00	24	68.15	3.00
Phillipston	24	8 064.74	1 872.00		1 090.59	165	374.00	108	166.41	241.00
Princeton	24	7 261.20	352.90		126.00	21	146.50	39	17.90	62.50
Royalston	26	9 748.36	1 504.87		309.44	36	1 076.00	259	119.43	
Rutland	29	8 248.95	104.58				67.50	19	27.08	10.00
Sherborn	18	6 006.47	568.90				409.00	122	26.90	133.00
Shirley	42	11 392.54	467.79		70.00	10	162.00	68	167.79	68.00
Shrewsbury	101	16 692.04	1 778.51		284.00	37	650.00	158	755.26	89.25
Southborough	51	18 210.67	1 007.93		8.00	1	571.00	162	293.93	135.00
Southbridge	275	79 589.10	9 014.79		3 551.00	93	2 496.00	916	2 120.84	846.95
Spencer	159	48 936.22	3 905.47		646.00	89	1 842.50	668	1 057.57	359.40
Sterling	61	21 316.08	2 236.89		816.43	110	1 065.50	246	230.71	124.25
Stow	44	13 240.86	1 050.26		224.00	28	344.00	89	292.04	189.62
Sturbridge	66	20 593.08	1 549.23		315.60	48	648.00	191	403.65	182.00
Sudbury	48	16 649.77	653.60				291.50	74	195.65	166.45
Sutton	73	22 705.41	616.11				416.00	101	129.11	71.00
Templeton	98	32 250.03	1 664.88		385.89	52	753.50	247	504.49	221.00
Townsend	61	19 250.13	3 190.09		433.65	74	2 249.00	725	399.44	108.00
Upton	89	31 081.73	2 136.60		658.50	66	517.00	132	394.67	566.43
Uxbridge	94	26 215.20	1 473.61		254.00	27	728.00	246	177.11	314.50

See footnotes at end of table.

City or town	Cases 1/	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units 2/	Costs	Units 3/		
Dist. II (cont.)									
Warren	65	\$ 19 085.20	\$ 1 213.26	\$ 240.00	30	\$ 430.00	152	\$ 417.76	\$ 125.50
Wayland	100	37 054.33	2 800.96	340.00	46	1 305.50	367	817.46	338.00
Webster	255	69 680.27	5 910.55	1 179.50	182	3 258.00	915	916.75	556.30
West Boylston	49	15 306.39	777.59	78.00	13	507.50	130	102.59	89.50
West Brookfield	34	9 823.79	242.63			125.50	42	97.13	20.00
Westborough	132	39 731.52	3 722.52	918.00	121	1 578.00	497	801.87	424.65
Westminster	29	10 324.28	1 593.40	937.30	126	248.00	64	214.94	193.16
Winchendon	126	40 792.34	4 735.53	1 085.50	172	2 193.45	728	808.20	648.38
Worcester	3748	1 198 534.42	73 278.02	39 794.80	7629	15 444.00	4482	12 228.01	5 811.21
Total District II	12 639	3 995 543.30	305 251.82	172 084.13	17 004	106 747.10	29 735	56 992.13	29 428.46
District III									
Amesbury	340	112 599.50	8 718.78	1 887.40	265	3 927.00	1499	2 000.23	904.15
Andover	171	49 878.05	1 921.47	670.00	86	598.00	158	512.97	140.50
Bedford	34	9 383.90	17.35			9.00	3	6.35	2.00
Beverly	466	149 980.96	12 594.41	3 718.00	486	4 306.00	1621	3 559.38	1 011.03
Billerica	214	63 987.67	3 921.50	1 864.00	246	1 085.00	415	575.40	397.10
Boxford	19	6 093.70	163.77			35.00	11	57.27	71.50
Burlington	60	19 095.49	557.75	96.00	12	241.00	87	129.50	91.25
Carlisle	12	2 994.45	104.75			45.00	15	13.75	46.00
Chelmsford	252	75 947.18	6 949.71	1 412.00	177	2 314.00	868	2 064.78	1 158.93
Danvers	234	70 861.64	4 818.23	1 592.00	199	1 622.00	565	1 242.73	331.50
Dracut	226	63 202.23	5 650.67	2 512.00	289	1 374.00	493	1 199.92	764.75
Dunstable	8	2 193.70	167.10	47.00	5	65.00	8	19.10	36.00
Essex	39	11 482.75	562.00	72.00	9	325.00	109	136.25	28.75
Georgetown	90	28 297.20	1 516.62	248.00	31	767.00	290	247.62	254.00
Gloucester	818	293 812.00	26 021.84	5 790.32	788	9 670.00	2636	6 564.20	3 997.32
Groveland	89	28 056.90	1 371.54	438.00	57	562.00	198	219.54	152.00
Hamilton	49	15 755.10	2 082.76	748.00	95	710.55	236	536.71	87.50
Haverhill	1625	536 291.56	37 187.20	8 254.50	1116	12 921.00	4768	10 820.29	5 191.41
Ipswich	156	50 862.78	3 276.56	741.00	94	1 720.00	585	708.06	107.50
Lawrence	1890	551 271.22	25 029.89	16 620.50	2096	4 774.00	1813	4 417.69	3 217.70
Lowell	3454	1 102 048.56	84 929.31	34 466.97	4383	26 911.00	9863	13 311.32	10 240.02
Lynnfield	63	17 954.88	931.82	11.75	1	492.00	159	292.57	135.50
Manchester	36	11 696.48	954.25	271.10	34	406.00	138	180.90	96.25

See footnotes at end of table.

City or town	Cases ^{1/}	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units ^{2/}	Costs	Units ^{3/}		
Dist. III (cont.)									
Merrimac	92	\$ 31 003.32	\$ 3 402.92	\$ 944.00	118	\$ 1 356.00	487	\$ 840.32	\$ 262.60
Methuen	515	145 084.53	7 205.19	1 719.00	250	2 202.00	833	2 201.83	1 082.36
Middleton	47	17 613.68	1 602.86	444.00	60	511.00	171	555.06	92.80
Newbury	67	21 653.84	2 167.84	1 176.00	149	641.00	201	241.84	109.00
Newburyport	457	154 572.41	13 276.24	4 542.00	612	4 242.00	1545	2 899.49	1 592.75
North Andover	181	60 469.75	4 455.48	780.00	98	1 846.00	530	1 211.18	618.30
North Reading	74	22 954.46	1 558.02	344.00	43	703.00	224	380.42	130.60
Peabody	400	121 900.05	8 998.13	1 232.00	154	3 045.00	1188	3 435.12	1 286.01
Reading	233	75 702.69	4 444.85	674.00	85	1 949.00	563	1 275.60	546.25
Rockport	139	49 736.11	1 989.63	338.71	44	871.00	288	457.92	322.00
Rowley	47	14 866.15	871.63	160.00	20	562.00	204	103.13	46.50
Salem	946	294 713.23	16 032.51	3 934.00	519	4 248.00	1564	6 045.63	1 804.88
Salisbury	122	34 739.77	2 351.17	442.00	59	1 099.00	382	655.73	154.44
Tewksbury	91	27 704.41	3 016.74	1 054.00	134	953.00	305	705.45	304.29
Topsfield	21	6 356.71	270.37			76.00	25	184.37	10.00
Tyngsborough	86	24 068.26	2 306.96	774.00	129	704.00	257	385.46	443.50
Wenham	31	10 941.33	945.69	144.00	18	368.00	124	384.94	48.75
West Newbury	60	21 315.52	2 664.76	1 154.00	150	769.00	260	522.26	219.50
Westford	63	18 593.53	1 997.22	880.00	110	631.00	235	315.22	171.00
Wilmington	103	29 440.76	1 324.51	408.00	51	263.00	92	285.01	368.50
Total District III	14 120	4 457 178.41	310 332.00	102 404.25	13 272	101 918.55	36 016	67 902.51	38 106.69
District IV									
Arlington	535	156 303.28	10 304.74	4 224.00	537	2 982.00	1276	1 725.80	1 372.94
Belmont	212	59 461.93	3 296.29	1 951.19	183	687.00	246	196.90	461.20
Chelsea	809	265 094.68	25 982.36	7 782.00	1008	8 165.00	3142	6 427.49	3 607.87
Concord	95	32 688.55	2 307.77	328.00	41	740.00	251	781.31	458.46
Lexington	175	54 472.68	2 778.54	543.50	69	812.00	304	728.17	694.87
Lincoln	31	10 718.71	612.29	184.00	23	62.00	16	196.74	169.55
Lynn	3176	1 087 764.49	69 013.01	20 869.50	3303	32 777.43	9432	5 186.27	10 179.81
Malden	1246	429 840.25	28 907.67	9 518.90	1274	10 192.00	3758	5 498.86	3 697.91
Marblehead	248	74 411.39	5 664.86	2 938.00	381	1 308.00	592	1 033.86	385.00
Medford	1145	423 560.12	37 166.13	7 000.20	933	13 737.60	4983	10 779.77	5 648.56
Melrose	449	138 557.49	8 525.11	3 734.93	489	2 332.00	860	1 207.01	1 251.17
Nahant	57	15 703.17	1 152.52	107.15	18	639.00	170	161.37	245.00

See footnotes at end of table.

City or town	Cases 1/	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units 2/	Costs	Units 3/		
Dist. IV (cont.)									
Needham	125	\$ 40 476.86	\$ 5 180.79	\$ 1 626.50	217	\$ 1 551.00	614	\$ 1 198.29	\$ 805.00
Newton	912	309 052.91	21 806.05	8 738.92	1157	5 549.00	1965	4 304.46	3 213.67
Revere	685	214 106.89	18 120.64	3 145.72	424	6 844.00	1914	5 277.88	2 853.04
Saugus	263	72 981.85	5 688.27	742.00	99	2 606.00	942	1 700.17	640.10
Stoneham	212	64 187.14	4 017.25	345.11	105	1 910.00	643	1 043.14	719.00
Swampscott	152	47 920.50	3 279.50	854.00	115	1 343.00	372	603.25	479.25
Wakefield	340	112 143.50	11 372.88	2 057.89	274	4 840.50	1793	2 946.00	1 528.49
Waltham	764	256 972.78	19 685.38	7 494.72	320	5 476.50	1904	3 293.51	3 420.65
Watertown	491	158 846.34	11 177.50	2 266.65	220	2 722.00	1025	4 152.95	2 035.90
Wellesley	123	48 980.21	5 404.90	1 100.10	153	2 479.00	669	923.43	902.37
Weston	31	10 156.19	699.79	394.30	26	135.00	43	48.99	121.50
Winchester	127	35 625.76	2 122.64	400.00	50	650.00	257	474.84	597.80
Winthrop	334	113 712.16	11 302.32	1 908.00	245	4 049.00	1477	3 764.27	1 581.05
Woburn	339	106 122.65	6 614.33	1 687.00	221	1 961.00	700	1 935.51	1 030.82
Total District IV	13 076	4 339 862.48	322 183.53	91 942.28	11 885	116 550.03	39 348	65 590.24	48 100.98
District V									
Abington	204	71 431.28	6 614.44	1 405.00	176	3 422.00	956	1 260.35	527.09
Attleboro	435	140 705.17	9 597.48	2 176.50	294	4 502.00	1561	1 694.65	1 224.33
Avon	82	23 118.95	1 696.62	334.70	42	794.00	212	502.42	65.50
Bellingham	103	34 672.01	1 615.82	114.55	15	518.00	157	521.77	491.50
Braintree	334	105 480.66	13 263.12	2 231.10	381	4 617.00	1545	4 422.47	1 992.55
Bridgewater	141	41 497.22	4 213.10	1 185.45	116	1 868.00	653	684.40	475.25
Brockton	2313	795 162.71	71 261.05	24 178.20	2051	21 037.50	5878	17 290.05	8 705.30
Canton	131	42 038.75	3 566.19	184.00	23	2 157.77	631	904.04	320.38
Carver	29	8 734.44	1 103.51	408.00	51	353.00	97	133.51	209.00
Cohasset	48	19 093.17	1 554.32	72.00	9	887.00	259	360.42	234.90
Dedham	251	78 840.52	5 774.35	1 769.01	170	1 467.00	514	1 487.09	1 051.25
Dover	11	3 261.05	93.60			53.00	21	39.10	1.50
Duxbury	78	25 520.83	1 986.59	340.00	54	1 048.00	281	389.34	209.25
East Bridgewater	89	28 742.35	4 740.75	1 063.02	141	2 188.00	714	1 229.03	260.70
Easton	161	47 797.26	3 509.90	1 146.00	182	1 148.00	296	705.30	510.60
Foxborough	116	43 476.45	4 473.89	160.75	24	3 417.25	892	533.89	362.00
Franklin	181	61 395.03	4 312.83	408.00	51	2 341.50	839	1 085.18	478.15
Halifax	34	11 375.32	693.42			499.00	132	120.92	73.50

See footnotes at end of table.

City or town	Cases ^{1/}	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units ^{2/}	Costs	Units ^{3/}		
Dist. V (cont.)									
Hanover	89	\$ 25 732.32	\$ 1 865.05	\$ 224.00	28	\$ 946.00	260	\$ 494.55	\$ 200.50
Hanson	103	28 840.30	2 128.19	428.00	54	1 076.00	277	474.39	149.80
Hingham	151	52 840.33	5 224.27	696.00	87	2 455.00	700	1 286.07	787.20
Holbrook	137	47 903.97	5 231.68	200.00	30	3 276.25	860	1 344.43	411.00
Hull	76	28 294.94	4 471.55	1 094.62	123	2 127.00	543	998.16	251.77
Kingston	90	30 645.68	2 833.28	535.00	75	1 541.00	431	393.03	364.25
Mansfield	135	29 203.26	3 058.43	772.08	98	1 375.00	478	855.11	56.24
Marshfield	96	33 513.28	4 036.16	885.50	111	1 529.00	431	750.88	870.78
Medfield	53	20 308.81	1 442.48	512.00	64	508.00	157	298.63	123.85
Medway	128	38 467.32	2 349.79	123.00	26	1 110.00	387	682.29	434.50
Middleborough	338	111 547.36	12 072.43	4 129.20	541	4 855.00	1410	1 795.29	1 292.94
Millis	67	23 264.53	2 414.14	272.00	34	1 064.00	359	915.34	162.80
Milton	221	62 757.45	5 825.41	2 979.07	271	889.00	315	1 097.92	859.42
Norfolk	41	11 022.66	585.86			307.00	92	278.86	
North Attleborough	214	55 616.83	3 070.35	839.68	130	1 449.00	406	324.47	457.20
Norton	64	18 470.41	1 617.48	15.50	2	1 302.00	433	195.23	104.75
Norwell	61	18 611.93	1 837.11	165.00	21	1 070.00	296	412.06	190.05
Norwood	133	44 716.60	5 539.14	1 541.95	190	1 092.00	493	836.20	1 867.99
Pembroke	62	16 904.95	839.99	16.00	2	600.00	158	85.24	138.75
Plainville	39	12 708.09	1 298.17	380.00	51	595.34	146	189.08	133.75
Plymouth	472	175 306.65	11 931.81	2 694.75	376	4 091.00	1649	3 644.53	1 501.53
Plympton	18	5 147.65	190.45			77.00	24	48.45	65.00
Quincy	1371	448 411.96	33 503.32	14 140.22	1982	8 180.00	2816	6 325.45	4 857.65
Randolph	188	62 475.53	7 569.15	2 000.20	329	2 905.00	1056	2 160.68	503.25
Raynham	46	13 165.42	724.85	176.00	26	322.00	83	198.35	28.50
Rockland	297	98 014.74	10 275.13	1 230.25	170	5 309.00	1445	2 616.59	1 110.29
Scituate	133	41 694.86	3 531.79	1 239.00	165	1 157.00	409	753.84	381.95
Sharon	76	24 311.20	1 934.57	403.00	53	1 049.00	279	306.44	176.13
Stoughton	234	71 395.78	3 971.84	464.00	67	1 878.00	499	1 170.53	459.31
Taunton	679	219 083.95	21 202.42	3 937.78	556	9 505.00	2570	5 308.51	2 451.13
Walpole	99	28 012.61	1 701.96	627.00	83	631.00	274	256.71	187.25
West Bridgewater	81	22 278.17	1 374.12	368.00	46	623.00	179	160.87	222.25
Westwood	49	13 648.16	715.67			328.00	90	167.67	220.00

See footnotes at end of table.

City or town	Cases 1/	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units 2/	Costs	Units 3/		
Dist. V (cont.)									
Weymouth	644	\$ 214 866.53	\$ 24 728.66	\$ 3 374.50	487	\$ 12 203.25	3204	\$ 7 278.26	\$ 1 872.65
Whitman	296	90 387.75	5 949.95	860.00	108	3 099.00	1081	1 199.25	791.70
Wrentham	69	24 765.47	2 006.36	208.00	26	1 501.00	393	197.36	100.00
Total District V	11 791	3 846 486.22	338 952.97	84 707.58	10 192	134 392.86	40 321	78 864.65	40 987.88
District VI									
Acushnet	103	29 548.28	1 452.59	456.00	57	434.00	144	315.59	197.00
Barnstable	250	86 729.25	8 026.32	912.00	146	3 969.75	1023	1 636.04	1 508.53
Berkley	46	14 379.69	1 014.57	120.00	15	566.00	132	201.57	127.00
Bourne	133	44 210.21	3 784.65	652.44	103	2 158.00	594	483.34	490.87
Brewster	36	12 577.88	262.75			222.00	62	20.75	20.00
Chatham	62	20 914.07	1 821.85	976.00	147	480.50	175	236.35	129.00
Chilmark	9	3 979.47	1 316.68	918.00	153	344.00	105	39.68	15.00
Dartmouth	211	63 656.47	4 603.12	824.00	103	1 786.70	460	1 108.67	888.75
Dennis	108	61 491.23	2 656.67	60.00	15	1 555.00	407	710.67	331.00
Dighton	44	15 922.12	1 817.79	1 347.82	185	371.00	98	131.97	67.00
Eastham	21	6 169.51	222.11	32.00	4	98.00	28	92.11	
Edgartown	44	16 223.97	1 119.34	111.00	16	518.00	185	367.84	122.50
Fairhaven	295	96 765.35	9 888.28	2 104.00	282	4 629.00	1188	2 485.43	670.80
Fall River	2637	797 966.77	50 971.25	24 561.00	3060	11 480.00	4374	9 361.80	5 568.45
Falmouth	116	42 568.58	6 934.37	1 554.00	273	3 801.00	1034	701.37	878.00
Freetown	76	21 580.21	2 434.41	476.00	62	1 022.00	247	711.16	225.25
Gay Head	6	2 122.03	284.83			269.00	51	15.83	
Gosnold	No cases								
Harwich	110	40 147.36	2 882.37	142.00	18	1 656.00	437	778.87	305.50
Lakeville	67	20 501.00	2 595.84	955.00	128	1 040.00	296	453.59	147.25
Marion	58	21 725.14	2 065.83	1 000.00	125	627.00	200	260.08	178.75
Marshpee	16	5 435.86	393.90	245.65	92	78.00	11	35.25	35.00
Mattapoisett	69	22 979.65	2 372.03	311.00	52	1 144.00	375	544.38	372.65
Nantucket	74	22 727.39	2 040.84	1 152.50	177	684.00	286	128.34	76.00
New Bedford	3686	1 176 111.48	104 953.74	26 512.00	3314	37 761.00	10 036	26 126.16	14 554.58
Oak Bluffs	81	28 224.84	4 378.36	869.15	122	2 167.00	833	613.21	724.00
Orleans	45	14 280.51	750.96	32.00	8	313.00	85	291.46	114.50
Provincetown	155	54 346.88	7 750.95	1 440.00	215	4 194.00	1093	977.98	1 138.97
Rehoboth	72	21 099.06	1 168.96	282.00	35	475.00	129	224.81	187.15

See footnotes at end of table.

City or town	Cases ^{1/}	Total expenditures	Expenditures for medical care	Hospital		Physician		Drugs	Other
				Costs	Units ^{2/}	Costs	Units ^{3/}		
Dist. VI (cont.)									
Rochester	36	11 131.25	655.91	124.00	28	398.00	104	85.41	48.50
Sandwich	71	25 655.71	1 678.62	134.00	32	1 115.00	305	218.62	211.00
Seekonk	70	18 766.21	704.17			401.00	113	220.47	82.70
Somerset	107	29 123.81	1 435.95	612.00	83	555.00	215	142.95	126.00
Swansea	181	50 324.61	2 708.49	1 093.00	146	751.00	263	561.17	303.32
Tisbury	63	29 397.01	5 817.67	2 878.55	447	1 839.00	704	884.12	216.00
Truro	16	4 632.57	389.00	120.00	15	222.00	50	42.00	5.00
Wareham	252	76 873.82	3 821.00	1 453.23	217	1 360.00	429	364.52	643.25
Wellfleet	45	14 503.16	593.29	56.00	7	273.00	67	88.79	175.50
West Tisbury	11	4 622.57	804.50	803.00	101			1.50	
Westport	140	44 871.53	3 647.42	1 442.00	179	1 163.00	327	680.57	361.85
Yarmouth	90	30 708.78	2 878.41	640.00	80	1 030.00	272	850.03	358.38
Total District VI	9 712	3 104 995.79	255 204.79	77 401.34	10 242	92 998.95	26 937	53 199.50	31 605.00
District VII									
Boston	17 720	6 206 014.51	260 638.22	186 225.00	26 289	36 318.11	13 273	22 084.47	16 010.64
Brookline	855	323 074.42	22 172.02	8 844.84	761	6 350.00	2 284	3 936.17	3 041.01
Cambridge	2 036	691 282.11	36 692.82	21 958.00	2 874	4 248.00	1 551	5 166.75	5 320.07
Everett	959	330 964.63	33 626.35	20 359.00	2 665	6 240.00	2 315	4 058.33	2 969.02
Somerville	2 049	652 718.57	44 043.75	15 790.22	2 495	11 847.00	3 279	8 744.87	7 661.66
Total District VII	23 619	8 204 054.24	397 173.16	253 177.06	35 084	65 003.11	22 702	43 990.59	35 002.40
Grand Total	96 527	31 689 637.99	2 277 433.64	831 367.87	114 765	721 679.10	231 466	457 741.77	266 644.90

^{1/} The number of different persons receiving Old Age Assistance during the period.

^{2/} A unit of hospital care is a patient day.

^{3/} A unit of physicians' services is either a home or office visit.

^{4/} Does not include drugs dispensed from City Dispensary.

SCHEDULES USED IN THE STUDY

Med. Care Cost Study
Form 01-49

COMMONWEALTH OF MASSACHUSETTS
Department of Public Welfare

TOTAL COST OF MEDICAL CARE
July 1, 1948 to December 31, 1948

City or Town _____

1. Total Expenditures for OAA 7/1/48 to 12/31/48 \$ _____

2. Expenditures for Medical Care by Month:

July \$ _____

August \$ _____

September \$ _____

October \$ _____

November \$ _____

December \$ _____

3. Total Expenditures for Medical Care \$ _____

4. Per cent of Total Expenditures used for Medical Care _____ %

5. Average Monthly Payment for Medical Care \$ _____

INSTRUCTIONS:-

Item 1 - Gross expenditures for OAA whether direct or indirect.

Item 2 - Include amounts actually appearing on the payroll for each month irrespective of the date the obligation was incurred.

Item 3 - Total of amounts appearing in Item 2.

Item 4 - Divide Item 3 by Item 1.

Item 5 - One-sixth of Item 3.

DATE _____

FIELD AUDITOR _____

City or Town

MEDICAL COSTS IN COMMUNITY BY TYPES OF CARE
July 1, 1948 to December 31, 1948

Date

MONTH	HOSPITAL		PHYSICIAN		DRUGS		GLASSES		DENTURES		X-RAY	
	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units
July												
Aug.												
Sept.												
Oct.												
Nov.												
Dec.												
TOTAL												

MONTH	V.N.A.		OUT-PATIENT		EYE EXAM.		SURGERY		DENTAL CARE		OTHER	
	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units
July												
Aug.												
Sept.												
Oct.												
Nov.												
Dec.												
TOTAL												

Med. Care Cost Study
Form 03-49

COMMONWEALTH OF MASSACHUSETTS
Department of Public Welfare

UNCLAIMED MEDICAL EXPENDITURES BY TYPES OF CARE

July 1, 1948 to December 31, 1948

City or Town _____

ITEM	AMOUNT OF UNCLAIMED MEDICAL EXPENSES
Hospital	\$
Physician	
Drugs	
Glasses	
Dentures	
X-Rays	
V.N.A.	
Out-Patient	
Eye Exam.	
Surgery	
Dental Care	
Other	
TOTAL	\$

DATE _____

FIELD AUDITOR _____

